



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance
for Weighing and Measuring Devices

For:

Weighing/Load Receiving Element
Load Cell Electronic
Models: SWS-LP7620 Series
 n_{\max} : 5 000
 e_{\min} : 1 lb
Capacity: 2500 to 10 000 lb
Platform: 2 ft x 2 ft to 5 ft x 7 ft (see below)
Accuracy Class: III

***Submitted By: Contact Info. Updated October 2012**

Scale Weighing Systems
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Standard Features and Options

Platform Area:

- Device evaluated 2 x 2 ft and 5 x 7 ft. 35 square feet maximum. Areas up to but not larger than that evaluated at each capacity, with lengths or widths no greater than 125% of either dimension evaluated.

Options:

- Forklift channels; utility ramps; side rails; pit frames; wheels; stands

Platform Construction:

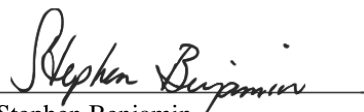
- Smooth or diamond plate steel deck. Carbon powder coated or stainless steel.


Load Cell Used:

- Load Cells used are Locosc Precision Technology Model LP7110Y (1 000 lb to 5 000 lb capacity), Single-ended shear beam (NTEP CC 10-058), or certified and metrologically equivalent.

Temperature Range: -10 °C to 40 °C (14 °F to 104 °F)

This device was evaluated under the National Type Evaluation Program and was found to comply with the applicable technical requirements of "NIST Handbook 44: Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.


Stephen Benjamin
Chairman, NCWM, Inc.


Kurt Floren
Chairman, National Type Evaluation Program Committee
Issued: January 11, 2011

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Scale Weighing Systems

Weighing/Load Receiving Element / SWS-LP7620 Series

Application: General purpose weighing/load receiving element when connected to a certified and compatible indicating element.

Identification: A foil identification badge is located on the side of the weighing element near the junction box. Badge indicates "void" if removed.

Sealing: Access to the load cell junction box can be sealed with a wire security seal.

Test Conditions: The emphasis of the evaluation was on the design, performance, and marking requirements of the weighing element. A 2500 lb 2 x 2 ft and a 10 000 lb 5 x 7 ft weighing element were evaluated at the manufacturer's assigned location. The weighing elements were interfaced with a Locosc Precision Technology weighing indicator (Model LP7510A, NTEP CC 09-070A1). Several increasing/decreasing load tests and corner shift tests were conducted using certified weights during the initial evaluation. After conducting the initial evaluation, appropriate permanence criteria was met, after which the device was subjected to the same tests conducted during the initial evaluation.

Evaluated By: T. Davis (KS)

Type Evaluation Criteria Used: NIST, Handbook 44: Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices, 2010. NCWM, Publication 14: Weighing Devices, 2010.

Conclusion: The results of the evaluation and information provided by the manufacturer indicate the device complies with applicable requirements.

Information Reviewed By: J. Truex (NCWM)

Examples of Device:

